

HOGAN
Serial No. 09/932,447

Atty Dkt: 2380-464
Art Unit: 2681

RECEIVED
COMM. DIV.
JAN 11 2005

AMENDMENTS TO THE SPECIFICATION:

Please replace paragraph [0012] beginning at page 4, line 16, with the following rewritten paragraph:

When user equipment units are leaving the coverage area of the shared network (e.g., leaving a shared network cell), it is likely that each operator will require that their own subscribers handover to their own home network. If, however, cells from both operators home networks neighbor the shared network cell, a problem of possibly handing over so the user equipment unit to the wrong network when leaving the shared network coverage area must be addressed.

Please replace paragraph [0038] beginning at page 11, line 21, and continuing to page 11, line 25, with the following rewritten paragraph:

~~In~~The foregoing and other objects, features, and advantages of the invention will be apparent from the following more particular description of preferred embodiments as illustrated in the accompanying drawings in which reference characters refer to the same parts throughout the various views. The drawings are not necessarily to scale, emphasis instead being placed upon illustrating the principles of the invention.

HOGAN
Serial No. 09/932,447

Atty Dkt: 2380-464
Art Unit: 2681

Please replace paragraph [0082] beginning at page 20, line 29, through page 21, line 2, with the following rewritten paragraph:

As understood from the foregoing, the drift radio network controller (DRNC) 26₂ can include, in the filtering rule-bearing Iur message to the serving radio network controller (SRNC), the filtering rules for each neighbor cell which comprises the list of neighboring cells. The list of neighboring cells ~~300-302~~ can also optionally be transmitted in the filtering rule-bearing Iur message to the serving radio network controller (SRNC) over the Iur interface. In a UTRAN implementation, the filtering rules can be included in a RADIO LINK SETUP RESPONSE message over the Iur interface.

Please replace paragraph [0083] beginning at page 21, line 3, and continuing to page 21, line 25, with the following rewritten paragraph:

The filtering rules can also be included in other Iur messages, e.g. a RADIO LINK ADDITION RESPONSE message, a RADIO LINK SETUP FAILURE message, or a RADIO LINK ADDITION FAILURE message, for example. Thus, the filtering rule-bearing Iur message can be realized as any of these example messages. The filtering rule(s) can be included in these or other messages in an appropriate information element or field, such as the "neighboring UMTS cell information" currently specified for various Iur messages, and which is illustrated in the accompanying tables.

HOGAN
Serial No. 09/932,447

Atty Dkt: 2380-464
Art Unit: 2681

Please replace paragraph [0098] beginning at page 26, line 11, and continuing to page 26, line 26, with the following rewritten paragraph:

In conjunction with certain ones of the transmission economizing features described above, it should be ~~understand~~understood that a filtering rule-bearing Iur message can refer both to groups of neighboring cells and to individual cells, and combinations thereof. For example, a group of neighbor cells could be sent, followed by the filtering rules for those cells, followed by another (single) neighbor cell or group of neighbor cells, followed by the filtering rules for the second cell/group of cells, etc.

Please replace paragraph [00112] beginning at page 30, line 8, with the following rewritten paragraph:

In a case in which plural radio links are initially established by the serving radio network controller (SRNC) with the user equipment unit, and in which upon subsequent receipt of the international mobile subscriber identity (IMSI) the serving radio network controller (SRNC) determines that all of the radio links are not permitted, the serving radio network controller (SRNC) can prudently move the user equipment unit to a permitted cell before tearing down the non-permitted radio links. This sequence of events is preferable to just dropping the call if the serving radio network controller (SRNC) were to notice that the user equipment unit only has radio links in unallowed cells. For example, in the scenario shown in Fig. 11, if the radio links with user equipment unit (UE) 30 had initially been set up in non-allowed cell C_{3-1} and/or non-allowed cell C_{3-2} in view of lack of knowledge of the IMSI of user equipment unit (UE) 30, but learning of the IMSI of user equipment unit (UE) 30 the serving RNC (SRNC) could move the user equipment unit (UE) to an allowed cell such as cell C_{2-1} [e.g., establish a radio link in cell C_{2-1}] before tearing down the radio links in non-allowed cell C_{3-1} and/or non-allowed cell C_{3-2} .

HOGAN
Serial No. 09/932,447

Atty Dkt: 2380-464
Art Unit: 2681

Please replace paragraph [00115] beginning at page 31, line 14, with the following rewritten paragraph:

For describing the first example scenario of the hybrid mode, Fig. 11A and Fig. 12A continue the scenario of Fig. 11 and Fig. 12 with the serving radio network controller (SRNC) 25₁ sending the IMSI of the user equipment unit to the drift radio network controller (DRNC) 26₂, as reflected by event 11-8. Since it now knows the IMSI of the user equipment unit and has its own cell filter 904, the cell filtering function 112₂ can henceforth perform at least some cell filtering for the user equipment unit in the manner of the DRNC-self filtering mode of Fig. 9.